

# Scalable, enantioselective taxane total synthesis

Abraham Mendoza<sup>†</sup>, Yoshihiro Ishihara<sup>†</sup> and Phil S. Baran\*

*Department of Chemistry, The Scripps Research Institute,*

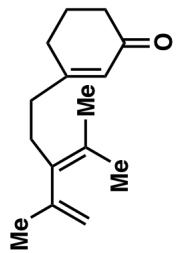
*10550 N. Torrey Pines Rd, La Jolla, CA 92037*

## SUPPORTING INFORMATION

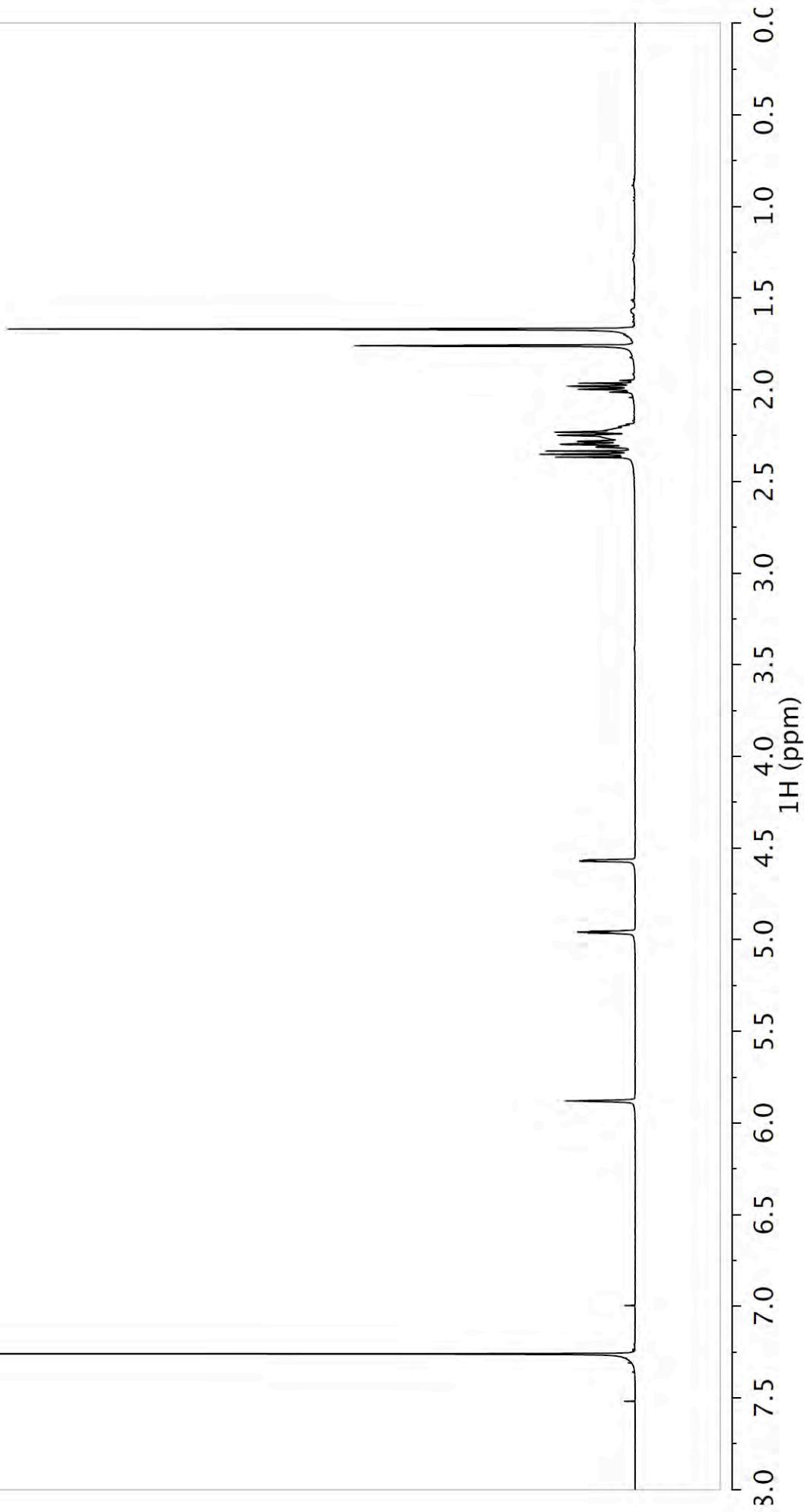
### Part 2: NMR Spectra of Synthesised Compounds

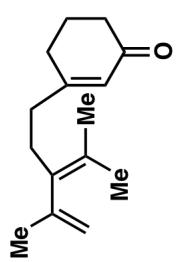
#### Table of Contents

Compound <b>12</b>	<sup>1</sup> H NMR	.....	page	S2
	<sup>13</sup> C NMR	.....	page	S3
Compound <b>14</b>	<sup>1</sup> H NMR	.....	page	S4
	<sup>13</sup> C NMR	.....	page	S5
Compound <b>15</b>	<sup>1</sup> H NMR	.....	page	S6
	<sup>13</sup> C NMR	.....	page	S7
Compound <b>S1</b>	<sup>1</sup> H NMR	.....	page	S8
	<sup>13</sup> C NMR	.....	page	S9
Compound <b>16</b>	<sup>1</sup> H NMR	.....	page	S10
	<sup>13</sup> C NMR	.....	page	S11
Compound <b>17</b>	<sup>1</sup> H NMR	.....	page	S12
	<sup>13</sup> C NMR	.....	page	S13
Compound <b>S2</b>	<sup>1</sup> H NMR	.....	page	S14
	<sup>13</sup> C NMR	.....	page	S15
Compound <b>S3</b>	<sup>1</sup> H NMR	.....	page	S16
	<sup>13</sup> C NMR	.....	page	S17
Compound <b>6</b>	<sup>1</sup> H NMR	.....	page	S18
	<sup>13</sup> C NMR	.....	page	S19
Compound <b>S4</b>	<sup>1</sup> H NMR	.....	page	S20
	<sup>13</sup> C NMR	.....	page	S21
Compound <b>S5</b>	<sup>1</sup> H NMR	.....	page	S22
	<sup>13</sup> C NMR	.....	page	S23
Compound <b>7</b>	<sup>1</sup> H NMR	.....	page	S24
	<sup>13</sup> C NMR	.....	page	S25



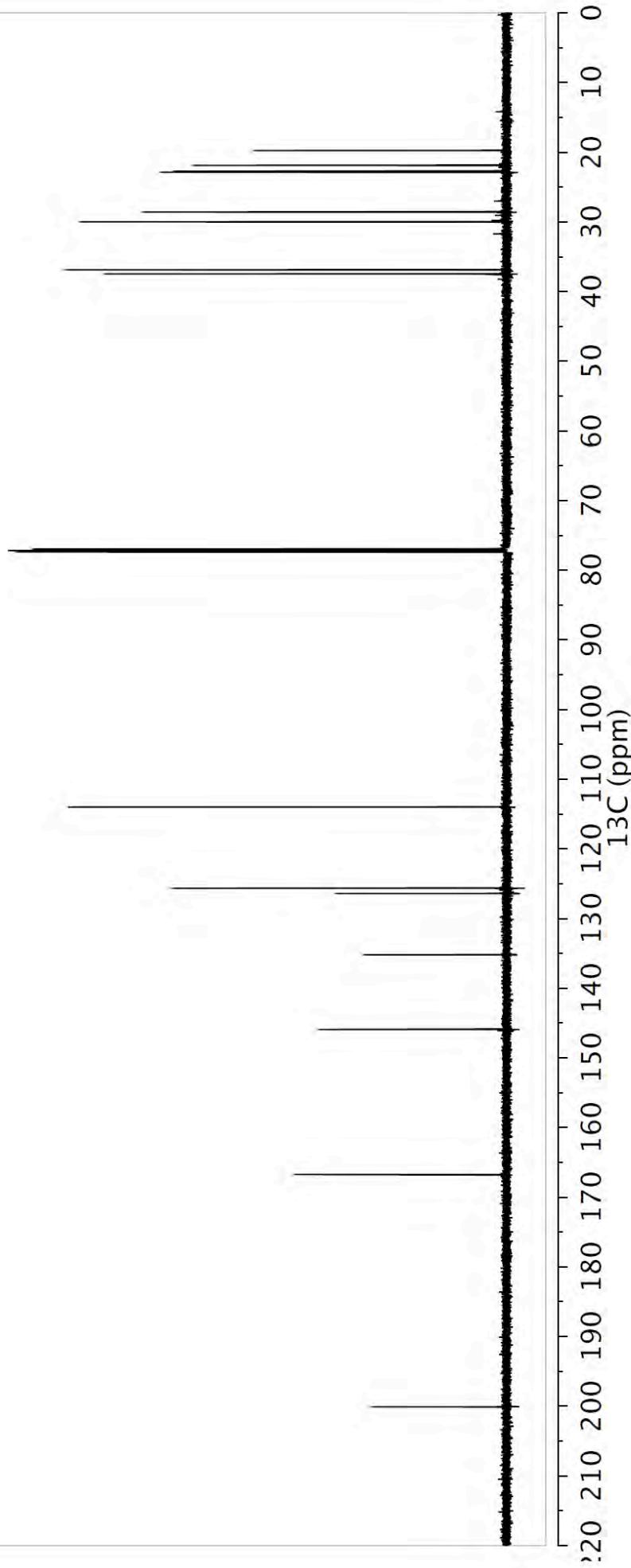
12

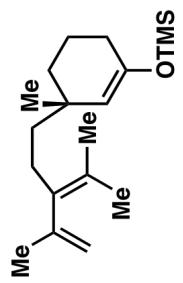
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>)



12

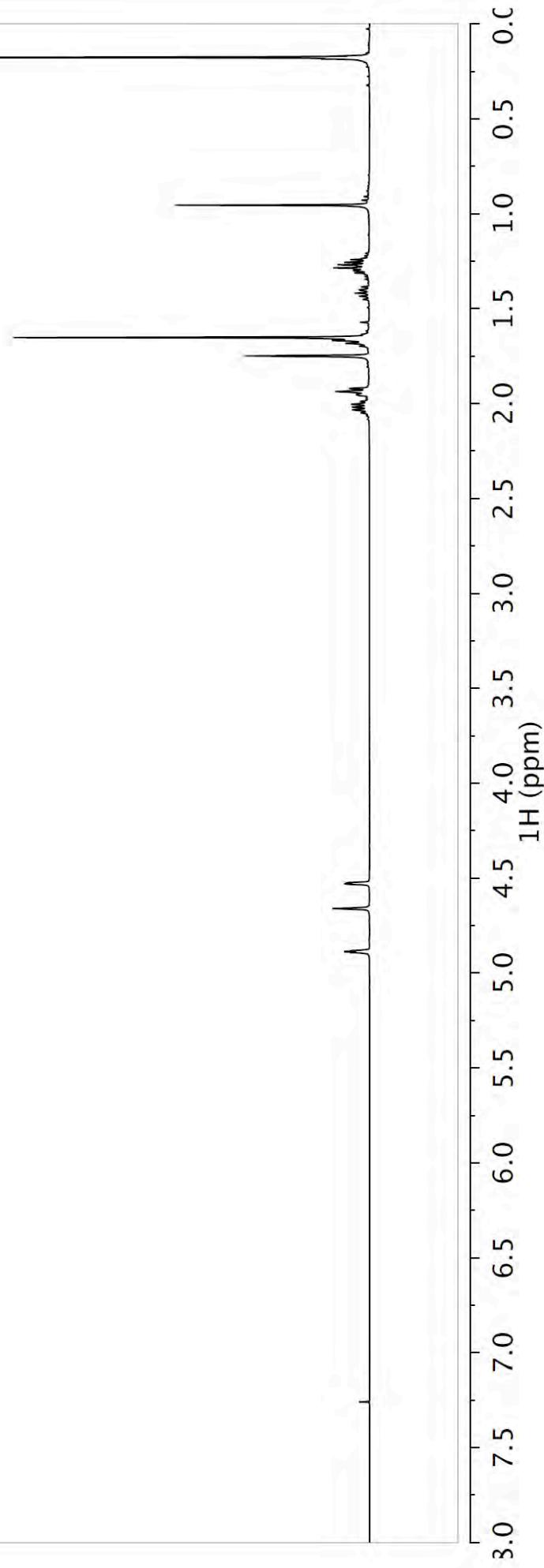
$^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )

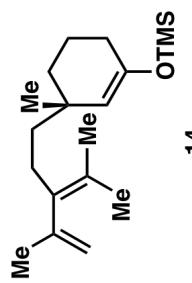




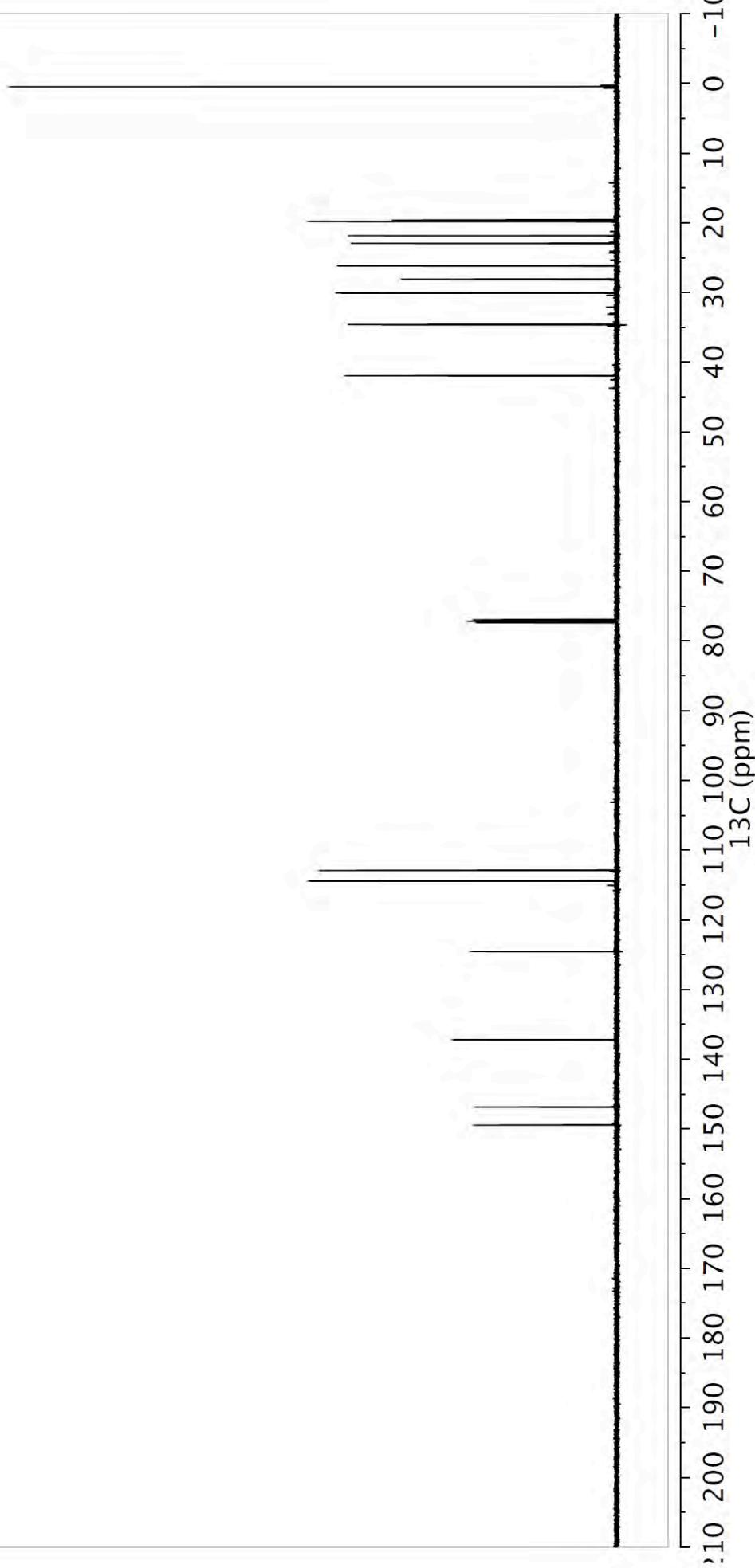
14

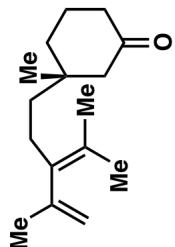
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>)



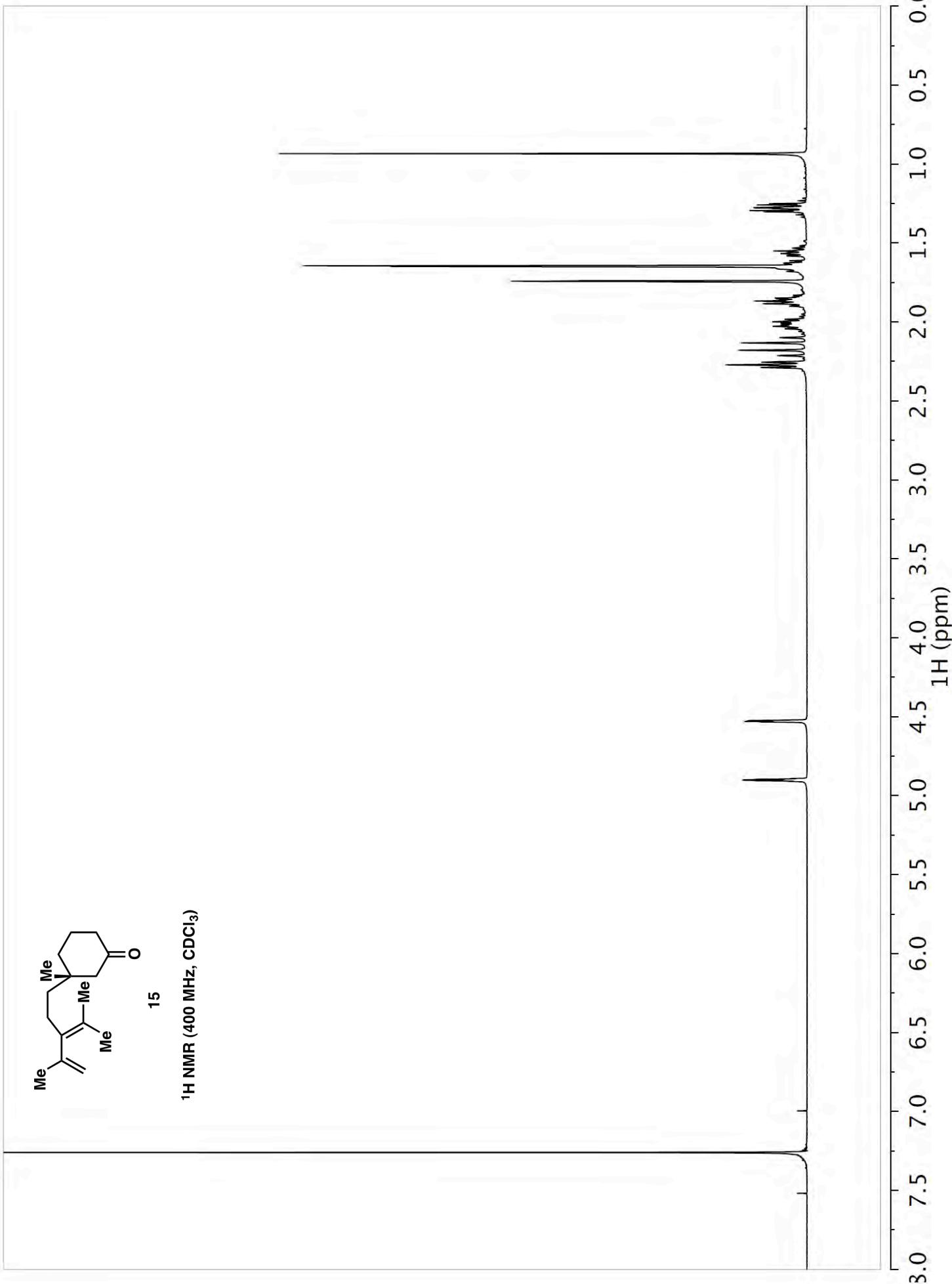


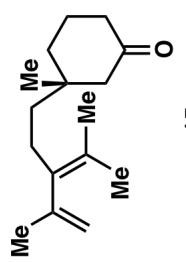
14  
 $^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )





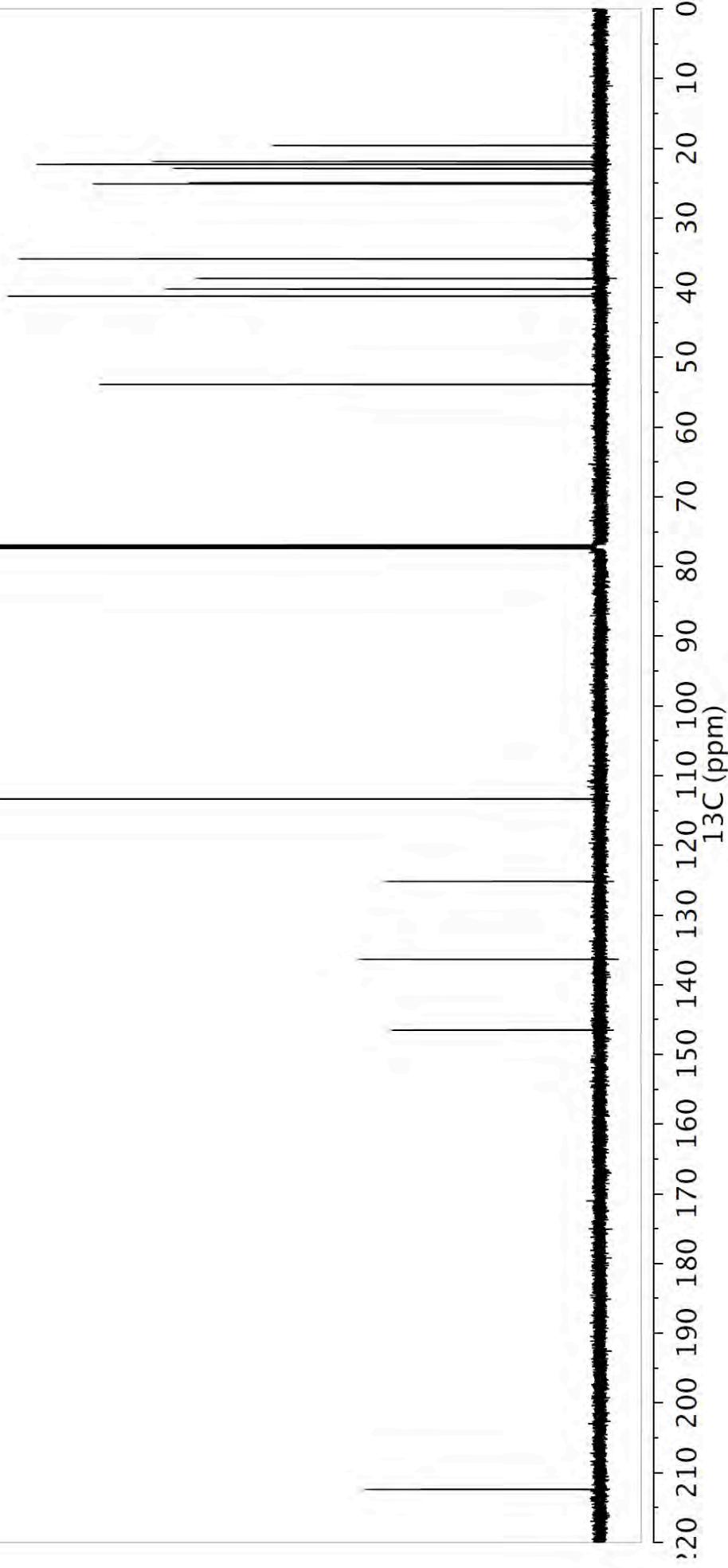
15

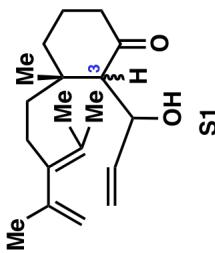




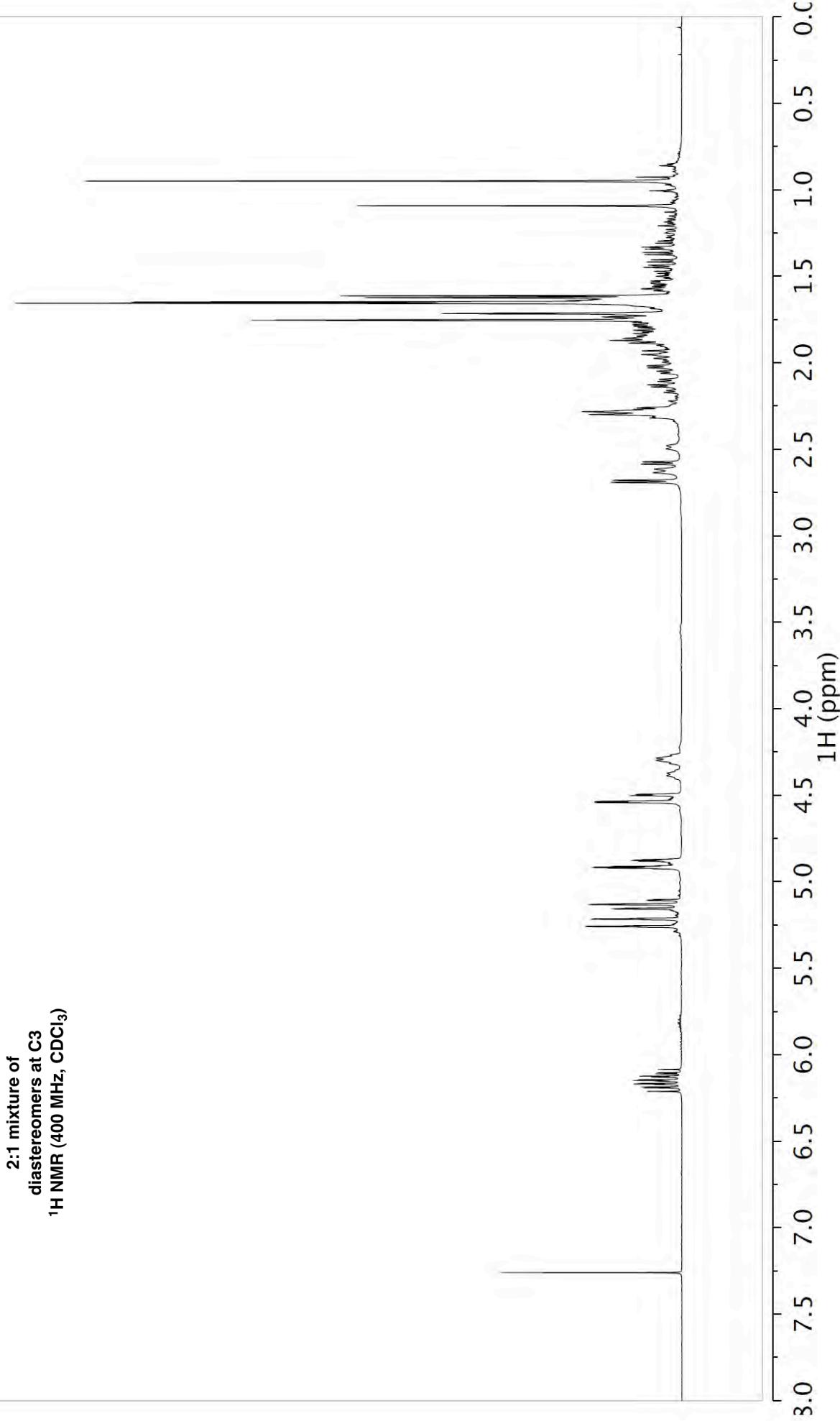
15

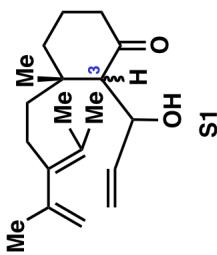
$^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )



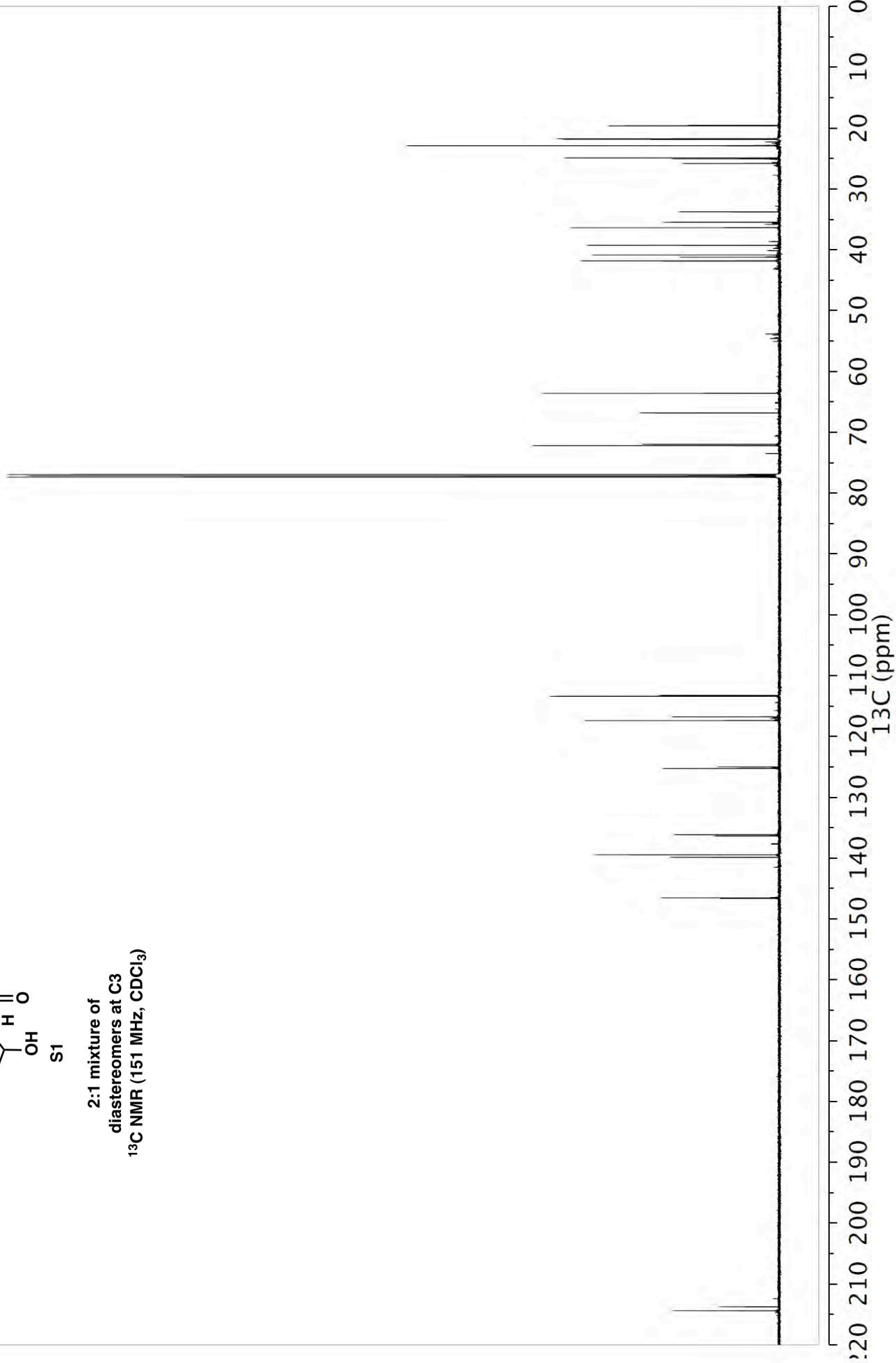


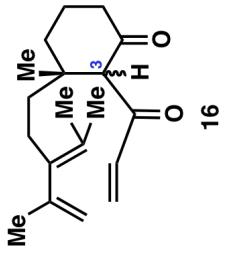
2:1 mixture of  
diastereomers at C3  
 $^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )



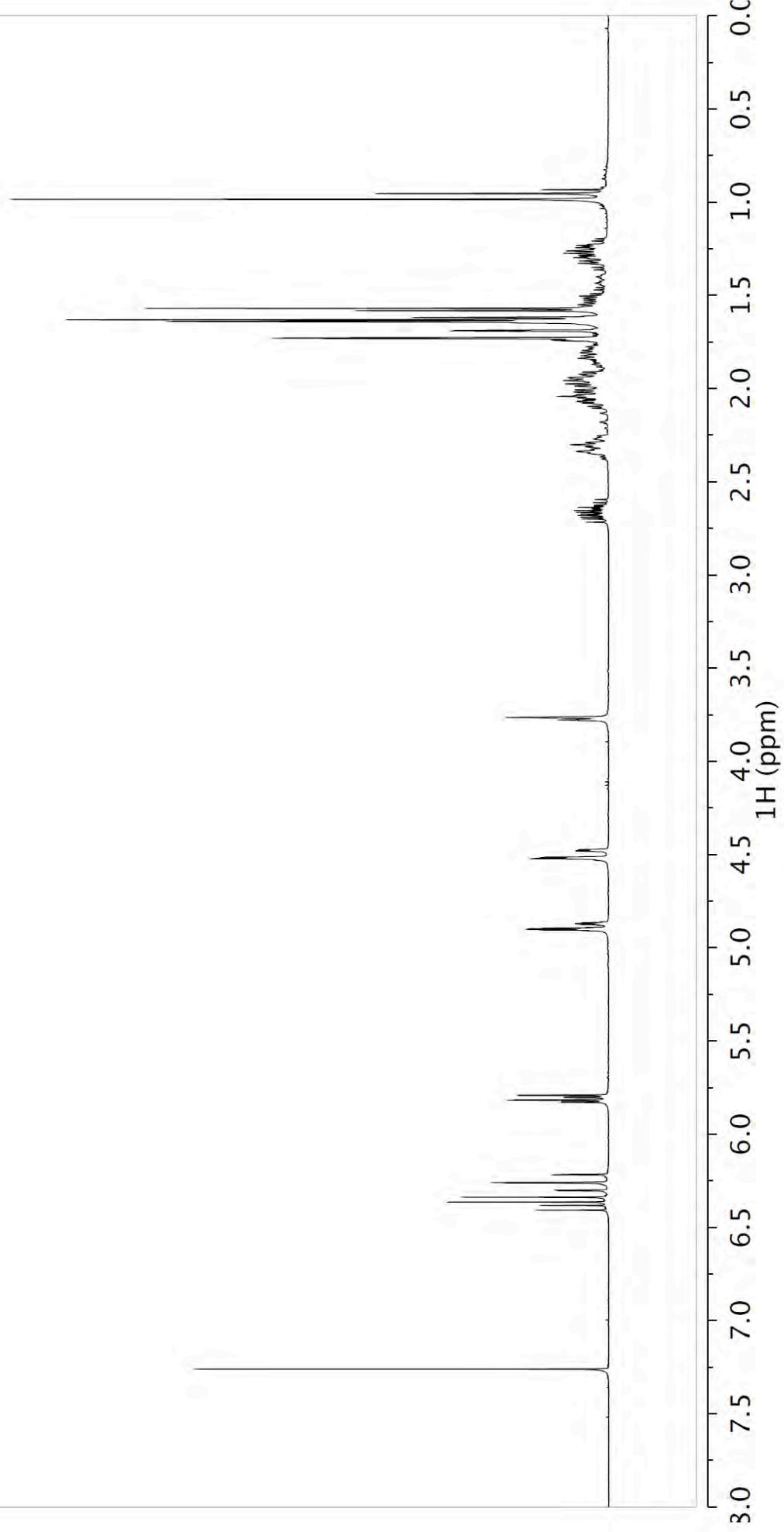


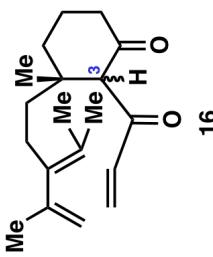
2:1 mixture of  
diastereomers at C3  
<sup>13</sup>C NMR (151 MHz, CDCl<sub>3</sub>)





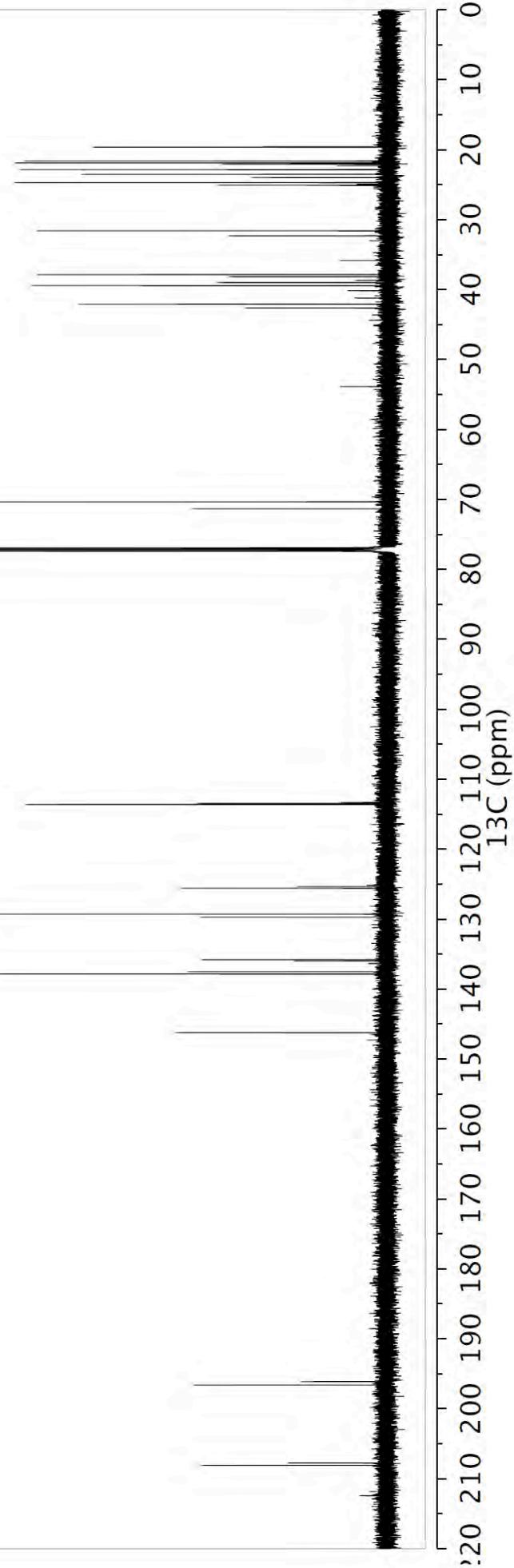
2:1 mixture of diastereomers at C3  
 $^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )

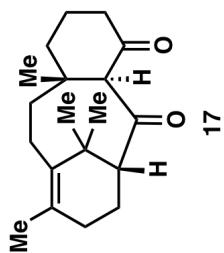




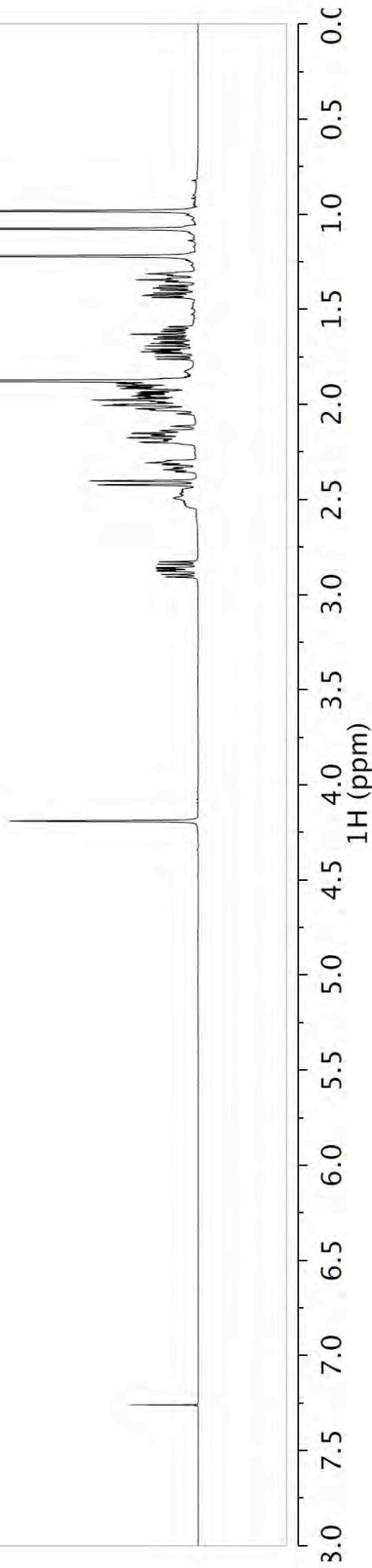
16

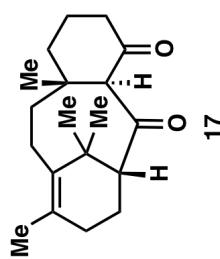
2:1 mixture of  
diastereomers at C3  
<sup>13</sup>C NMR (151 MHz, CDCl<sub>3</sub>)



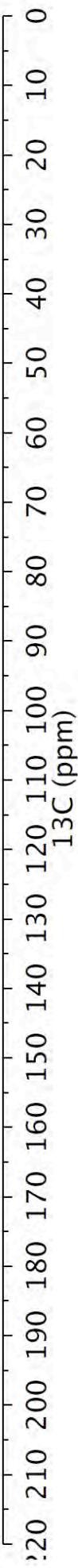


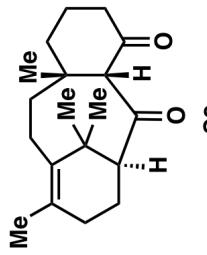
$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )



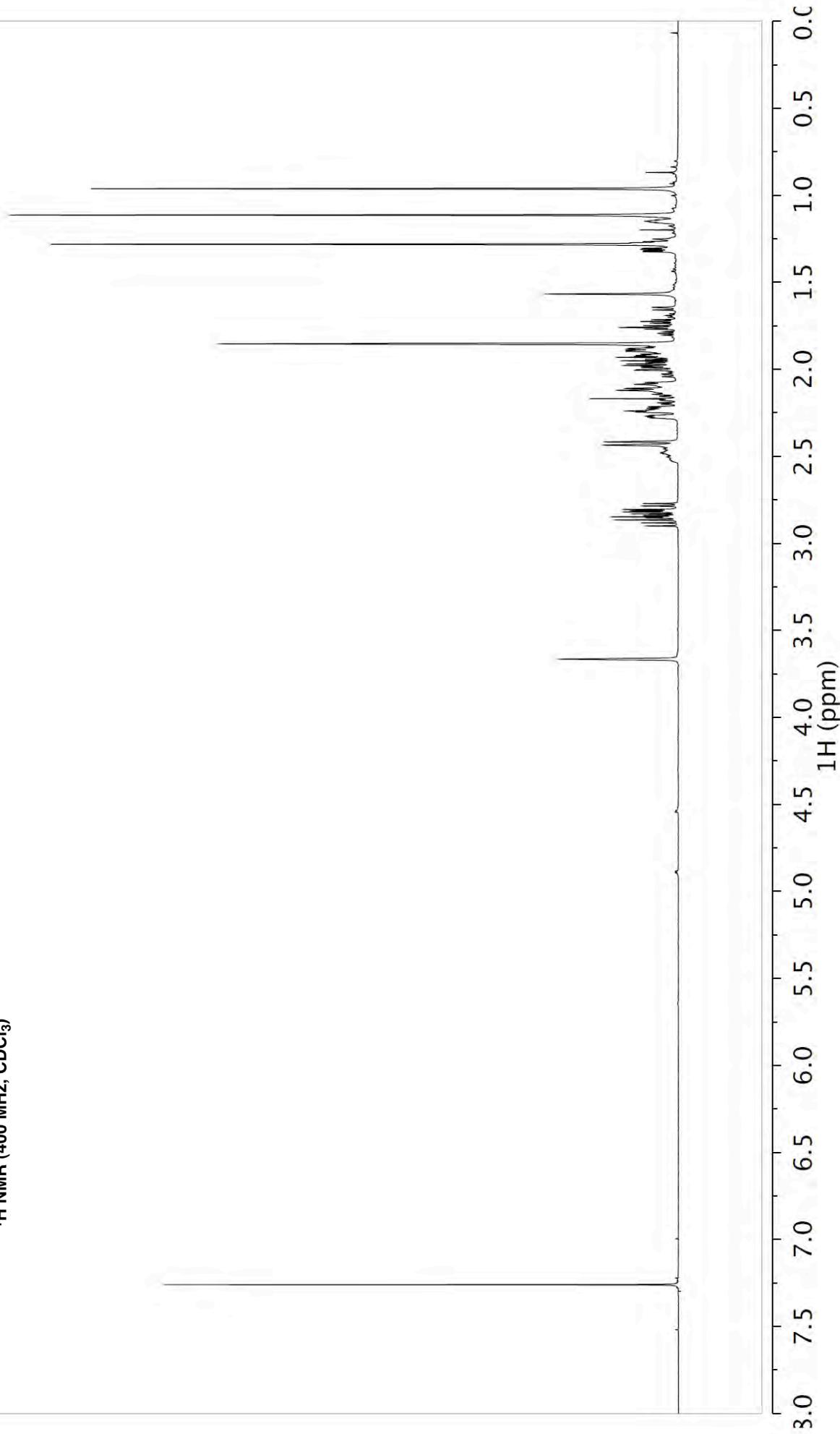


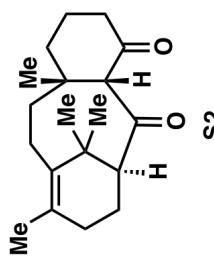
$^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )



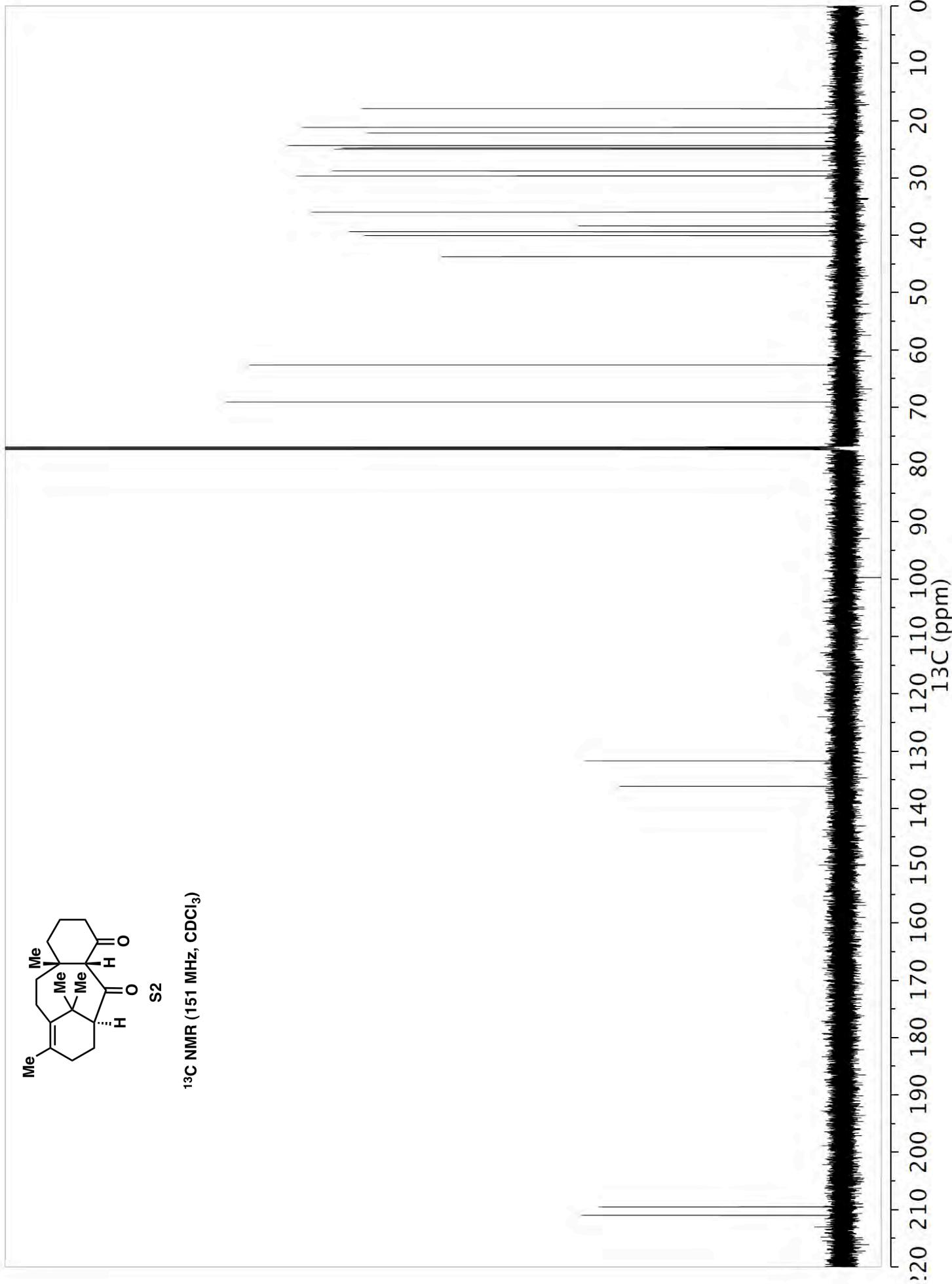


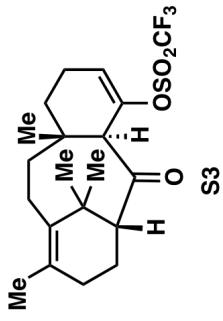
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>)



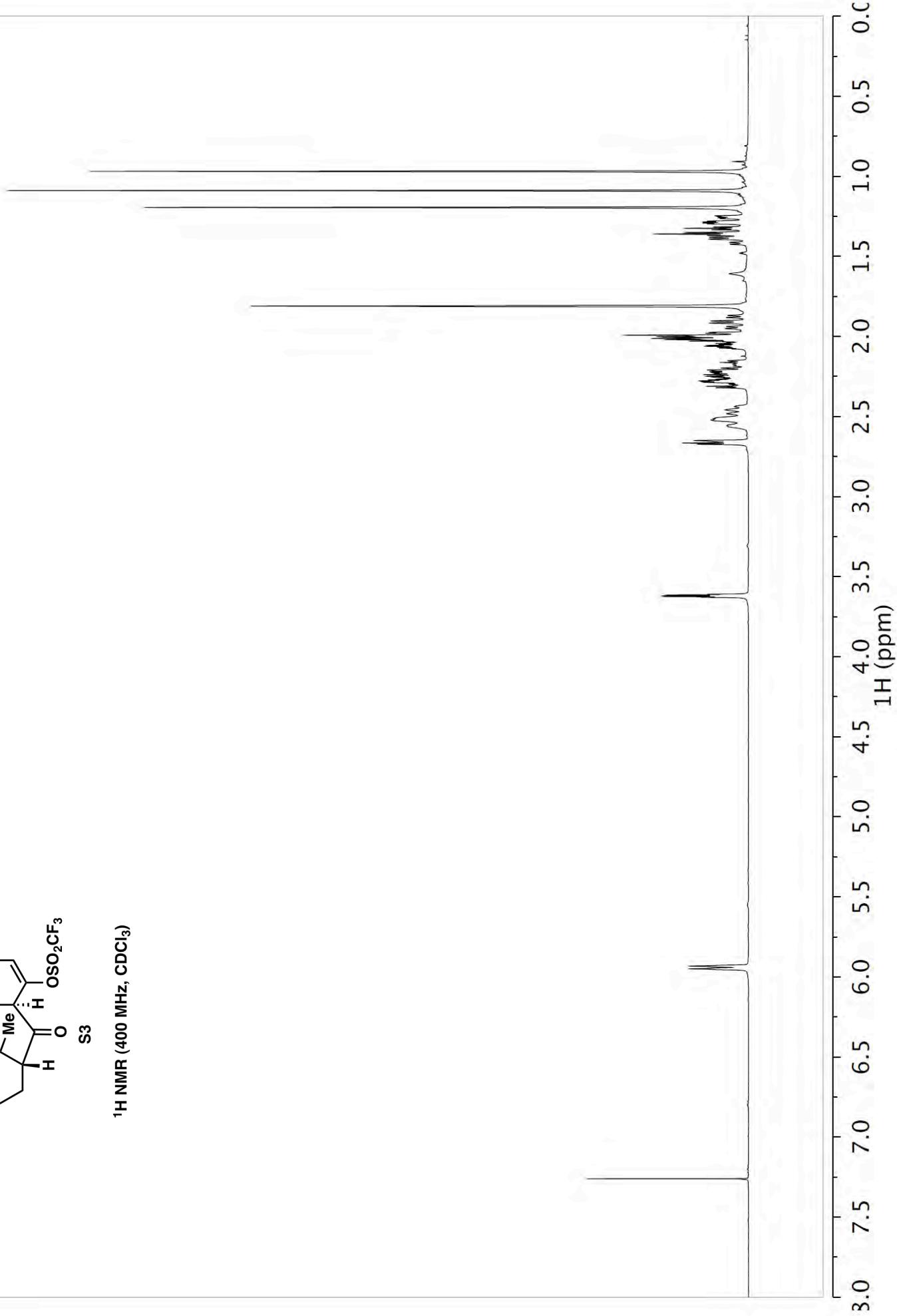


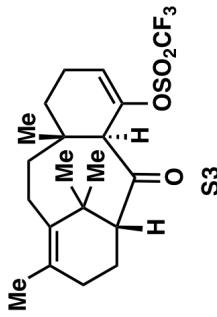
$^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )



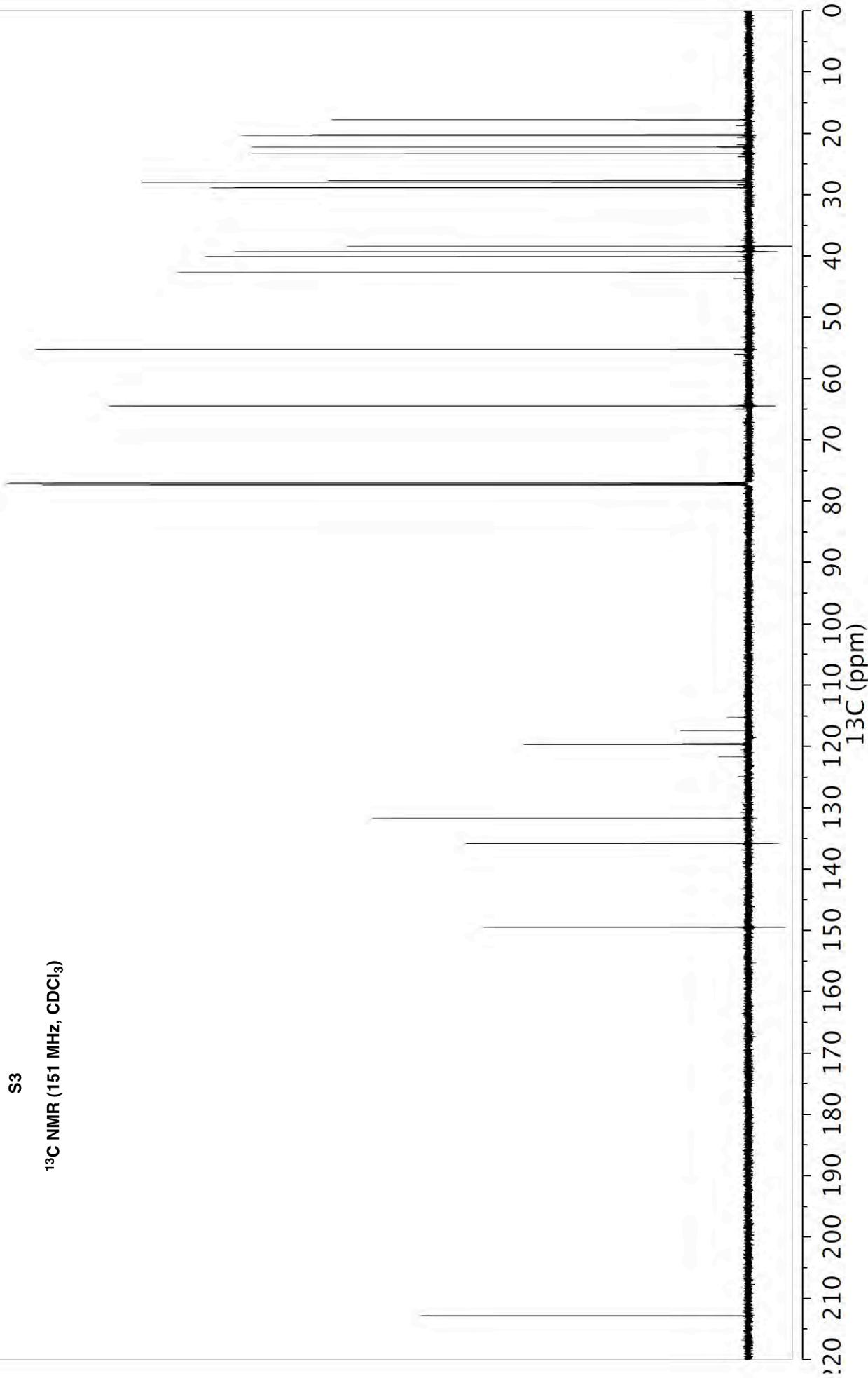


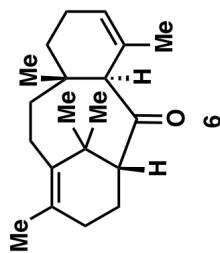
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>)



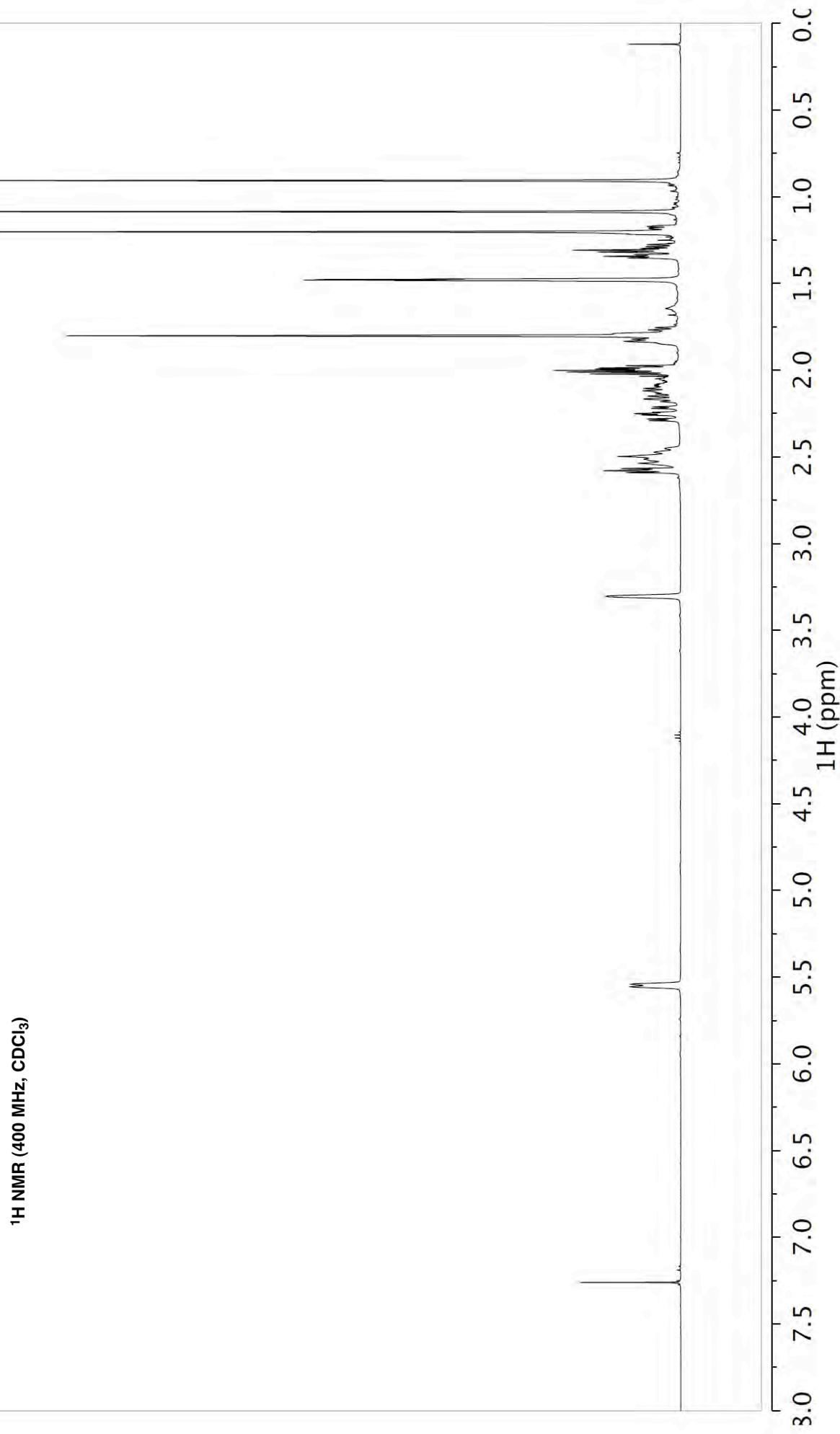


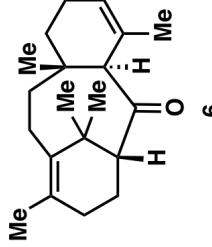
<sup>13</sup>C NMR (151 MHz, CDCl<sub>3</sub>)



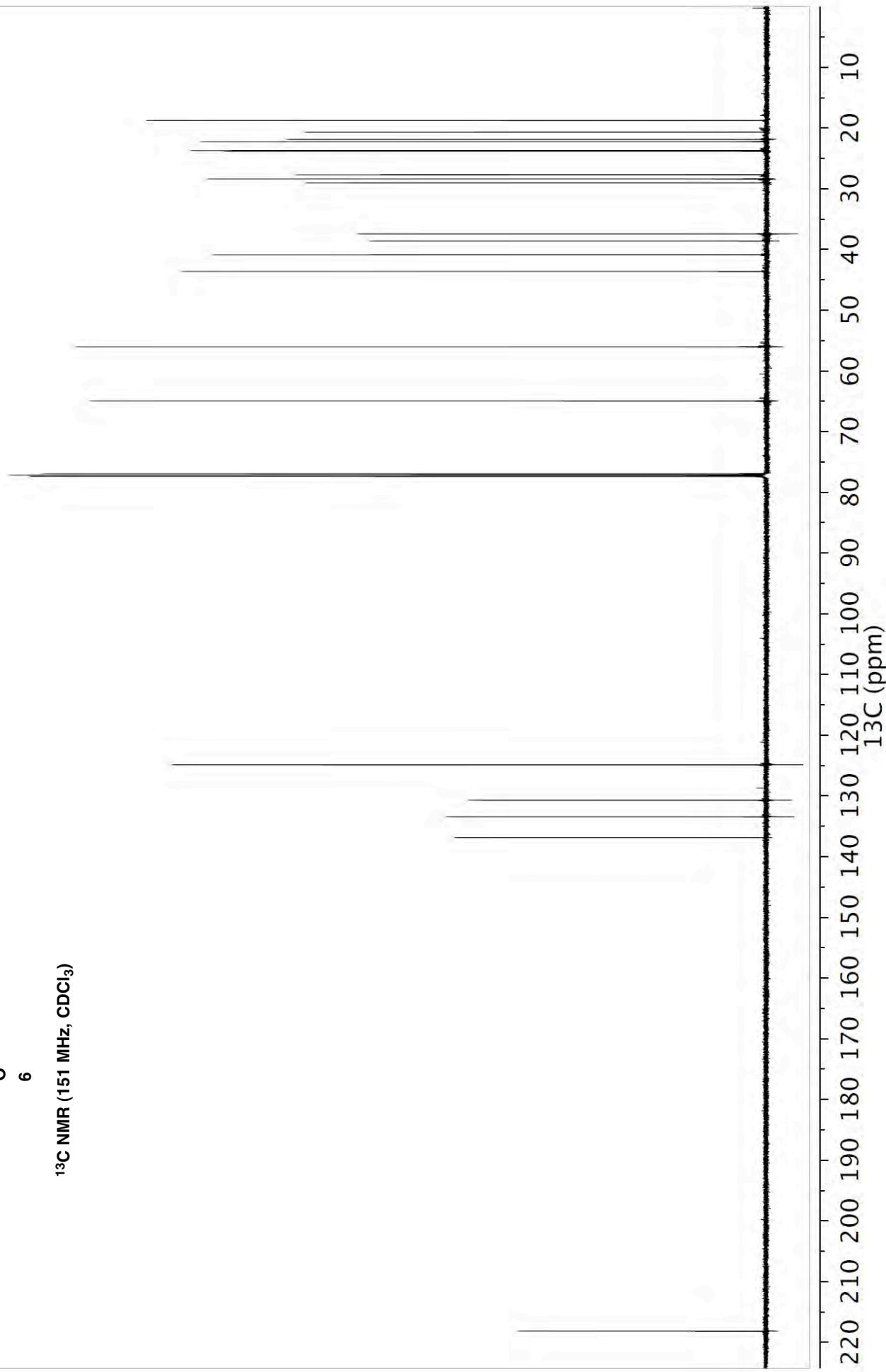


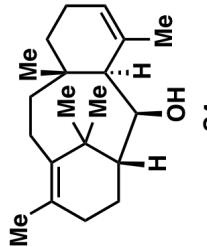
$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )



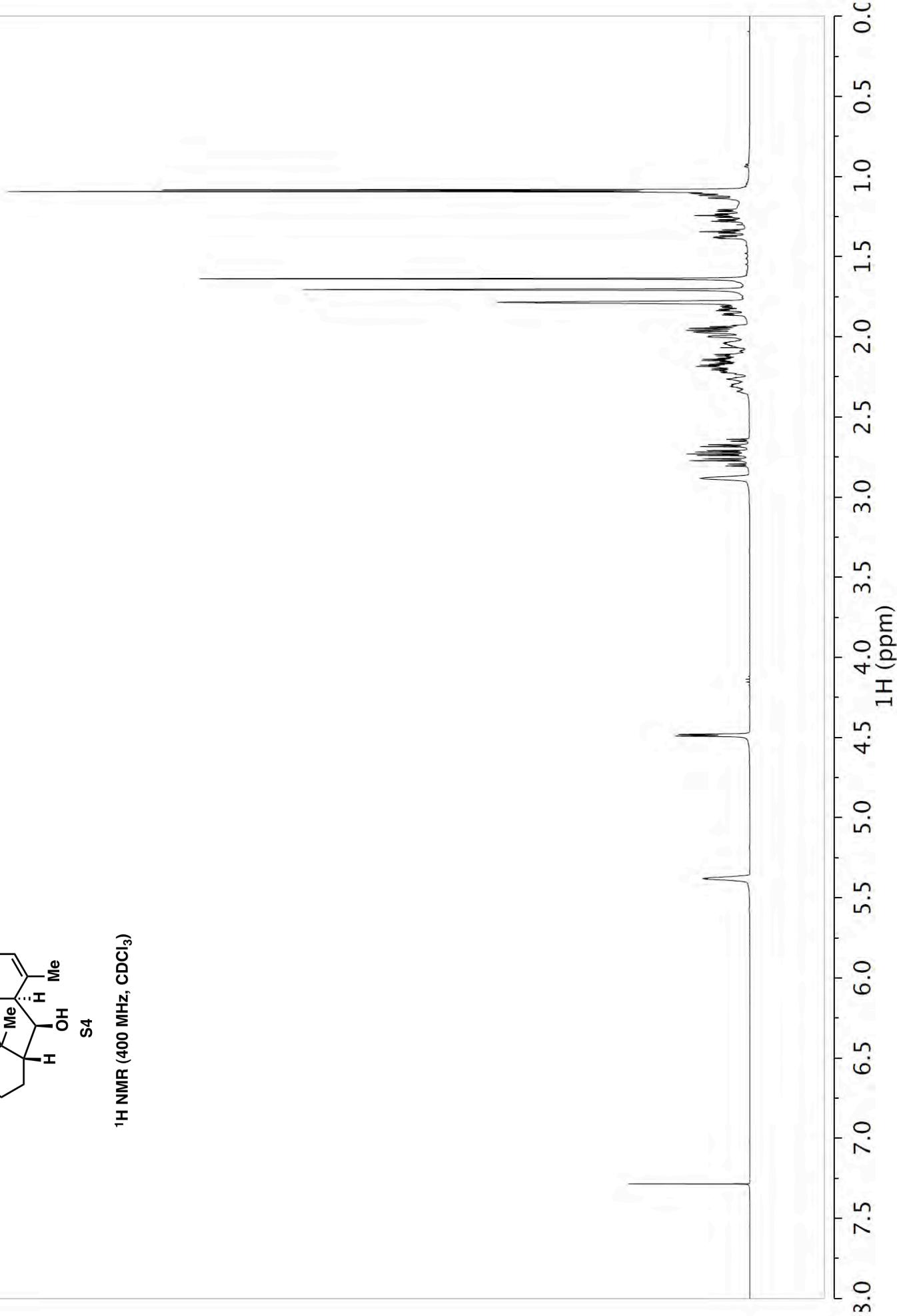


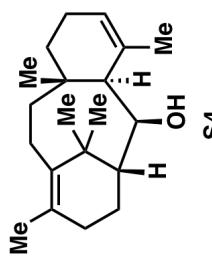
$^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )



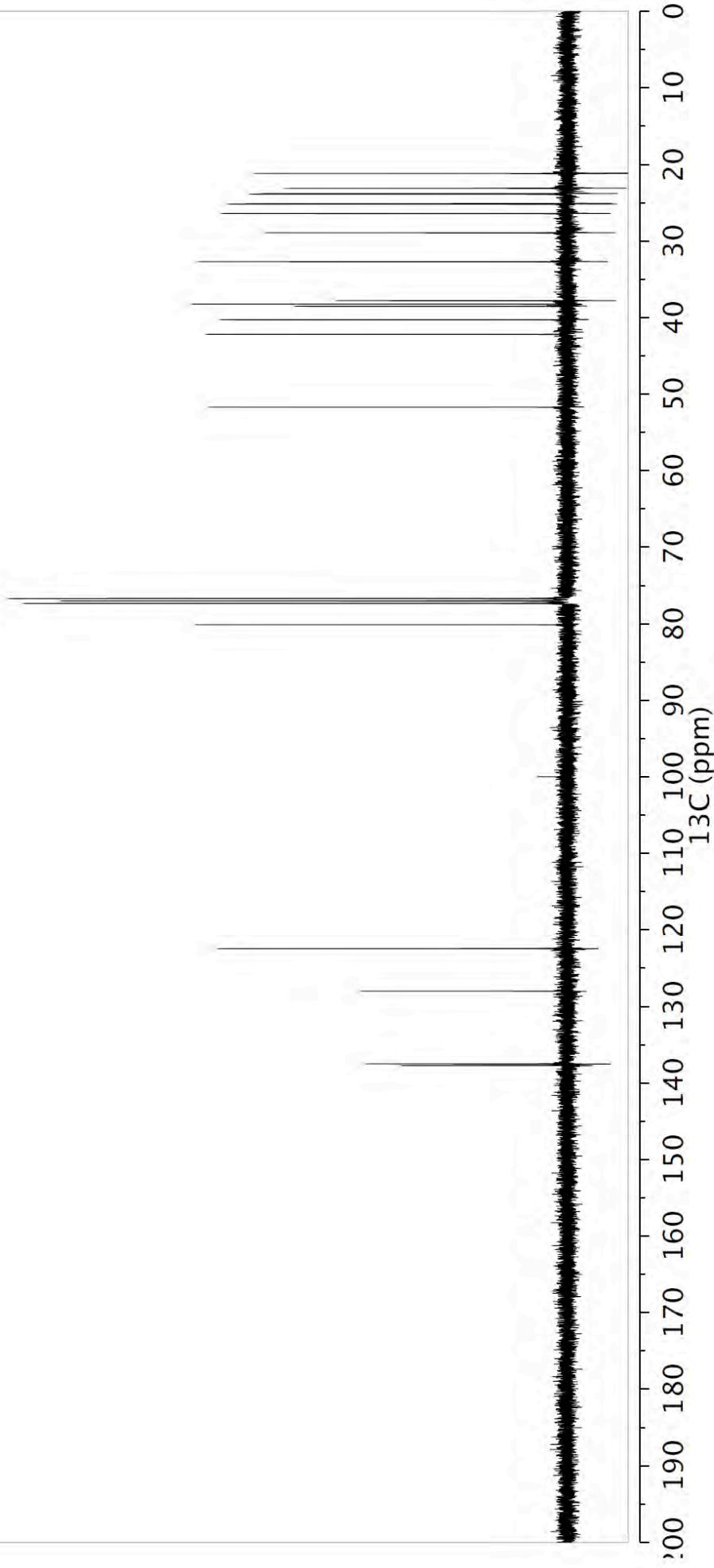


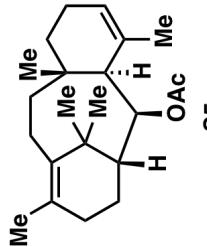
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>)



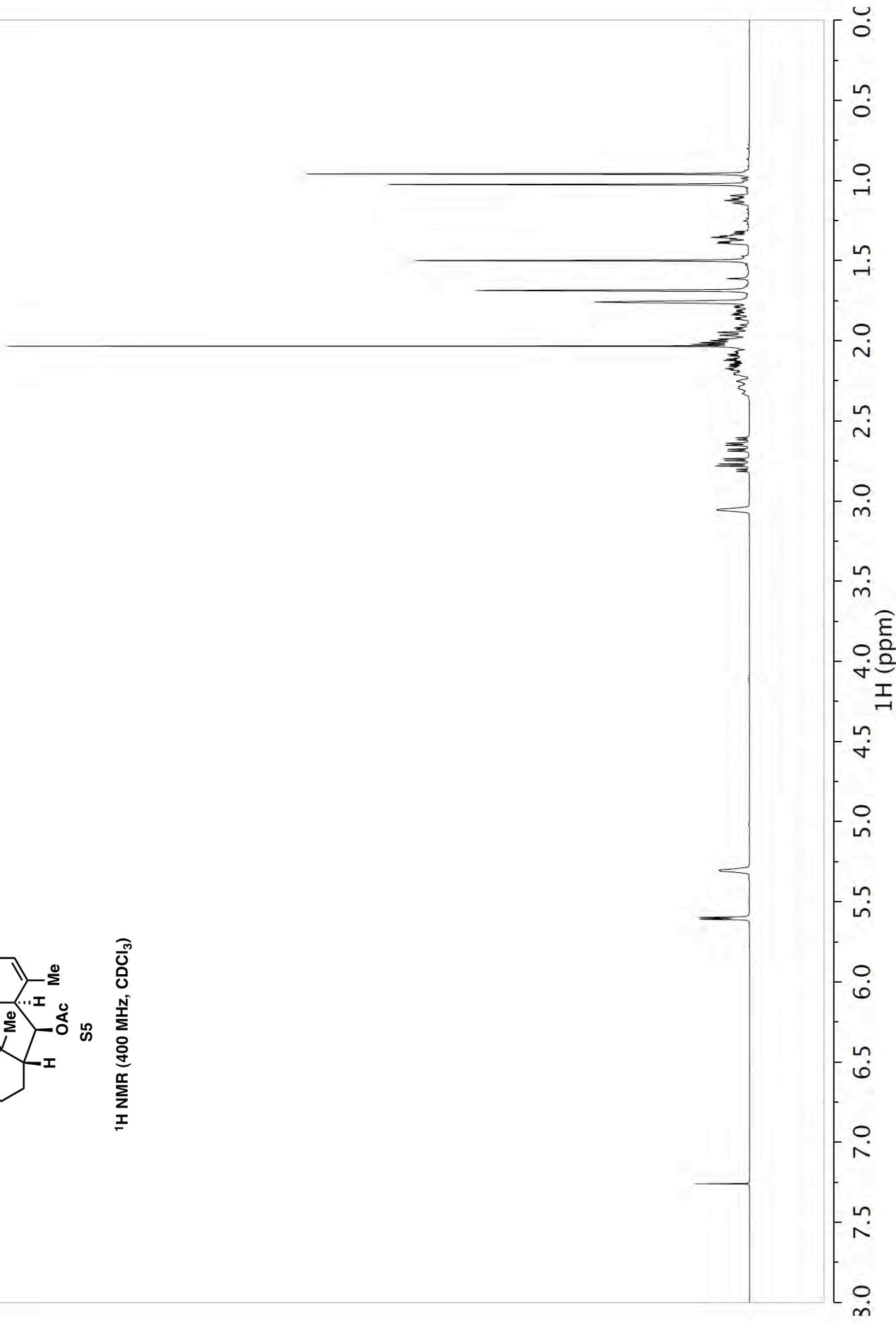


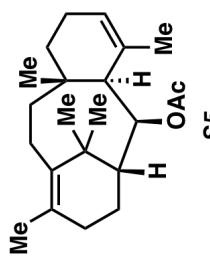
$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )





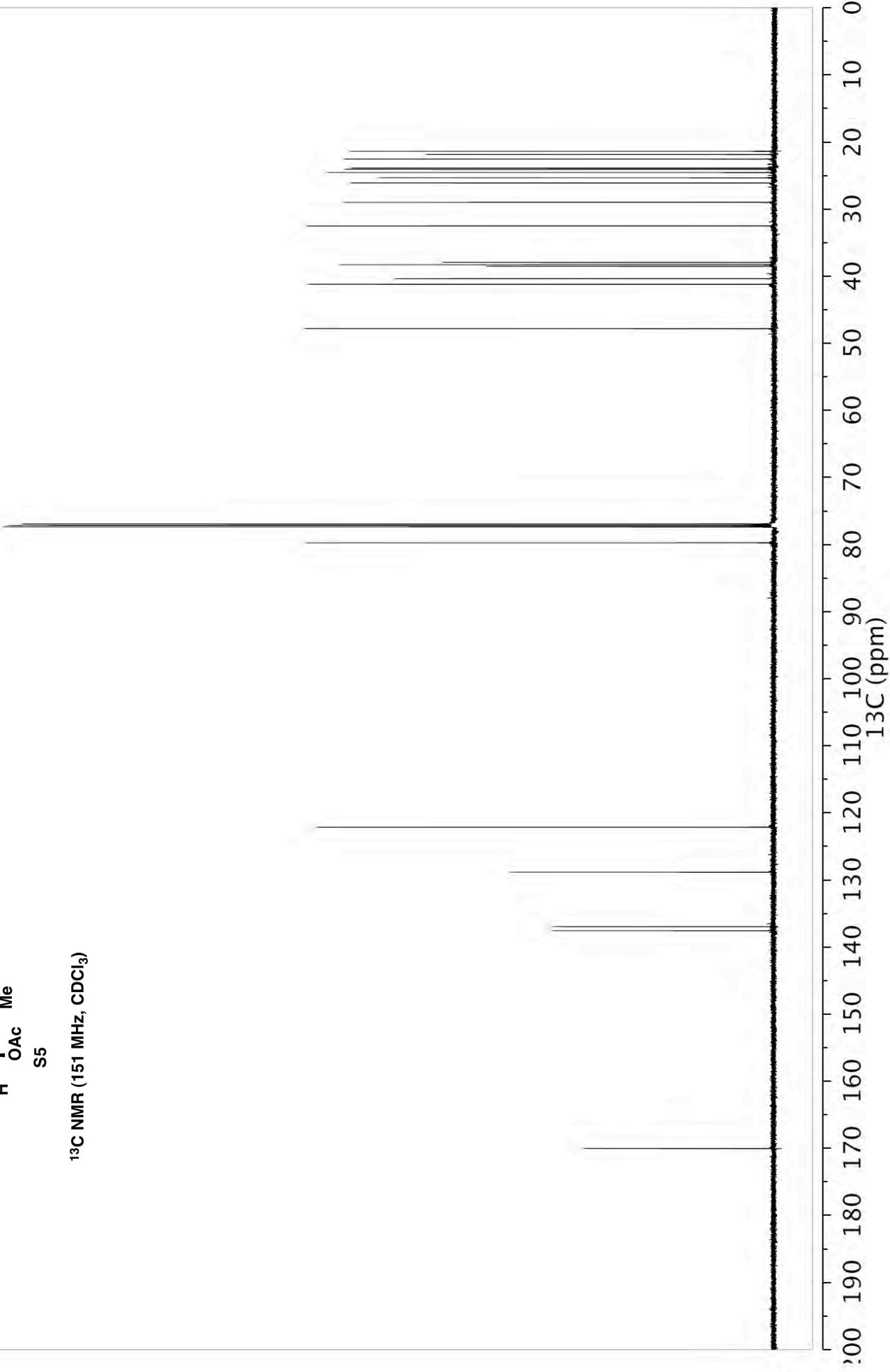
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>)

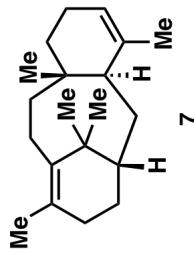




$^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )

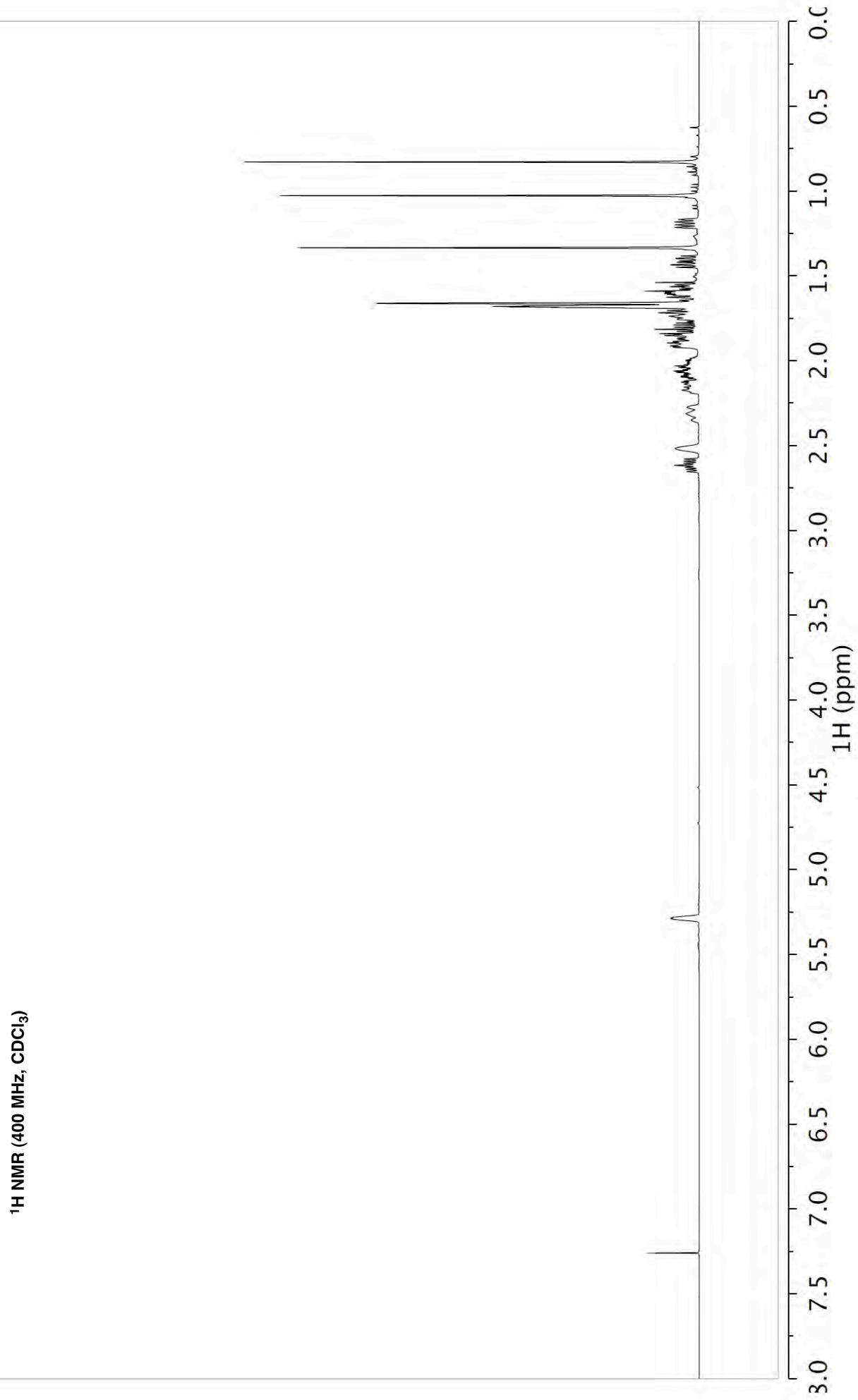
S5

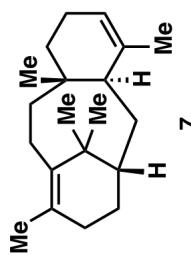




$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )

7





$^{13}\text{C}$  NMR (151 MHz,  $\text{CDCl}_3$ )

